

	Cross Totals	Rubric	
		Points	Section points
	<p>Gives correct answers: Possible totals are 23, 24, 25, 26, (27)</p> <p><i>Partial credit</i></p> <p>Gives 3 more correct totals (2) Gives 2 more correct totals (1)</p> <p>23 is smallest possible total with 1 in the middle square. 1</p> <p>27 is biggest possible total with 9 in the middle square. 1</p> <p>An even number in the middle square is impossible. 1</p> <p><i>Proof</i></p> <p>Gives correct reasons such as:</p> <p>The total for numbers 1 through 9 is 45. If the the magic total is T, say $2T = 45 + \text{the middle number.}$ So, the middle number must be odd , that is 1, 3, 5, 7 or 9 These middle numbers are all possible.</p>		10
	Total Points		10

